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Canada's Forests 1978

Canadian Forestry Service

Load of Pine logs en route to creek dump, Haliburton, Ont. 1880-1900.

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World Forestry Data

	Forest Areas '000 km²	Growing Stock '000 000 m³
North America	6 530	38 200
Canada	3 420	19 300
United States	3 080	18 300
Mexico	30	600
Central America	570	4 900
South America	5 300	91 500
Africa	1 900	25 000
Europe	1 400	12 000
U.S.S.R.	7 650	73 300
Asia	4 000	38 000
Oceania	800	6 000
Total	**28 150**	**288 900**

Sources: Forest Management Institute, Environment Canada, and World Forest Resources, Reidar Persson, Royal College of Forestry, Stockholm, Sweden.

Roundwood Production_____Average 1971-75

	Industrial	Fuelwood
	'000 000 m³	
North America	444	26
Canada	126	3
United States	312	14
Mexico	6	9
Central America	5	23
South America	43	193
Africa	42	270
Europe	268	49
U.S.S.R.	302	84
Asia	183	503
Oceania	21	8
Total	**1 305**	**1 158**

Source: FAO Yearbook of Forest Products Statistics 1975.
Note: Owing to rounding, the figures may not add.

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Area Classification

Land Area	'000 km²
Forest land	3 417*
Agricultural land	730
All other land	5 071
Total land	9 218
Water	757
Total Area	**9 976**

*Includes non-inventoried forest land in Quebec (179 000 km²) and Prince Edward Island (3 000 km²).
Note: Owing to rounding, the figures may not add.

Inventoried, Production, Forest Land Area by Ownership____'000 km²

	Crown			
	Provincial	Federal	Private	Total
Newfoundland	327	*	8	335
Prince Edward Island				NA
Nova Scotia	10	*	30	40
New Brunswick	28	*	36	65
Quebec	397	*	37	435
Ontario	515	6	49	570
Manitoba	245	1	5	251
Saskatchewan	121	2	NA	124
Alberta	315	3	NA	318
British Columbia	474	3	5	482
Yukon Territory	—	219	NA	219
Northwest Territories	—	95	NA	95
Total	**2 432**	**329**	**170**	**2 934**

*Less than 500 km².
Source: Forest Management Institute, Environment Canada.
Note: Owing to rounding, the figures may not add.

Forest Land Tenure

	'000 km²
Provincial Crown	
Inventoried	
Non-reserved	
Productive	
Stocked	1 523
Non-stocked	198
Sub-total	1 722
Unproductive	711
Reserved	27
Not inventoried	183*
Total	**2 642**
Federal Crown	
Inventoried	
Non-reserved	
Productive	
Stocked	88
Non-stocked	23
Sub-total	112
Unproductive	218
Reserved	47
Not inventoried	200
Total	**575**
Private	
Inventoried	
Non-reserved	
Productive	
Stocked	135
Non-stocked	17
Sub-total	152
Unproductive	19
Reserved	22
Not inventoried	7†
Total	**199**
Total Forest Land	**3 417**

*Includes 179 000 km² of forest land in Quebec for which no detail is available.
†Includes 3 000 km² of forest land in Prince Edward Island for which no detail is available.
Source: Forest Management Institute, Environment Canada.
Note: Owing to rounding, the figures may not add.

Wood Volume*

Province	'000 000 m³		
	Softwoods	Hardwoods	Total
Newfoundland	573	47	620
Prince Edward Island			NA
Nova Scotia	151	65	216
New Brunswick	482	185	667
Quebec	1 906	856	2 762
Ontario	2 589	1 681	4 270
Manitoba	410	163	573
Saskatchewan	274	185	459
Alberta	939	592	1 531
British Columbia	7 561	205	7 766
Yukon Territory	214	39	253
Northwest Territories	103	61	164
Total	**15 202**	**4 079**	**19 281**

Species	'000 000 m³		'000 000 m³
Softwoods		Hardwoods	
White pine	179	Poplar	1 434
Ponderosa and red pine	43	Aspen	693
Jack and lodgepole pine	2 701	Black cottonwood	45
Larch	48	Yellow birch	291
Spruce	5 688	White birch	1 031
Hemlock	1 837	Beech	45
Douglas fir	505	Maple	358
Fir	2 692	Ash	22
Eastern white and western red cedar	1 014	Other hardwoods	92
Yellow cedar	170		
Other softwoods	4		
Total	**15 202†**	**Total**	**4 079†**

*Volume of wood of main stem of trees or stands. It includes the volume of all reported species and maturity classes in all ownerships on inventoried, productive forest land.
†Includes volumes in Newfoundland, Quebec and Ontario for which no species breakdowns are available.
Source: Forest Management Institute, Environment Canada.
Note: Owing to rounding, the figures may not add.

Exports

Wood, Wood Products and Paper	Volume 1976	Volume 1977	Value 1976	Value 1977
			$000 000	
Primary Products				
Logs and bolts—000 m^3	598	974	25	46
Pulpwood—000 m^3	905	764	12	12
Pulpwood chips—000 t	704	916	22	35
Other			13	13
Total Primary Products			**72**	**106**
Lumber—000 m^3				
Softwoods	22 613	28 815	1 610	2 339
Hardwoods	219	242	38	48
Total Lumber	**22 832**	**29 057**	**1 648**	**2 387**
Shingles and Shakes—000 m^2	24 841	28 389	101	141
Veneer—000 m^2				
Softwoods	35 053	46 561	10	15
Hardwoods	87 820	86 678	44	49
Total Veneer	**122 873**	**133 239**	**54**	**64**
Plywood—000 m^2				
Softwoods	22 066	38 683	40	72
Hardwoods	4 053	5 313	7	12
Total	**26 119**	**43 996**	**47**	**84**
Other Wood Products			86	139
Wood Pulp—000 t				
Mechanical	286	276	48	52
Chemical	5 830	5 816	2 129	2 104
Total Wood Pulp	**6 116**	**6 092**	**2 177**	**2 156**
Paper and Paperboard—000 t				
Newsprint	7 000	7 266	1 998	2 381
Other paper and paperboard	1 257	1 521	357	449
Total Paper and Paperboard	**8 257**	**8 787**	**2 355**	**2 830**
Other Paper Products			16	19
Total Wood, Wood Products and Paper			**6 556**	**7 926**
All Other Commodities			30 773	35 402
Total Domestic Exports			**37 329**	**43 328**
Exports of Wood, Wood Products and Paper				
To: United States			4 418	5 638
United Kingdom			512	531
Japan			356	383
Other countries			1 270	1 374

Source: Statistics Canada.

Comparative Data on Five Major Resource Industries

	Year	Forestry	Fishing	Agriculture	Mining	Fuels
Principal Statistics*						
Employees—'000	1975	203	74	589	197	44
	1976	210	83	598	192	45
Salaries and Wages	1975	2 545	238	5 735	2 723	689
—$000 000	1976	3 162	316	5 346	3 006	790
Value Added	1975	4 816	532	8 750	6 225	7 188
—$000 000	1976	5 809	729	8 952	6 700	8 548
Balance of Trade*	1975	+4 420	+281	+1 246	+2 650	+1 113
—$000 000	1976	+5 766	+333	+1 051	+3 879	+971
	1977	+6 974	+576	+1 384	+4 544	+565
Private and Public Investment† Capital and Repair	1977	2 156	4 371		4 165	3 577
—$000 000	1978	2 241	4 845		3 962	3 702
Corporate Income Taxes† —$000 000	1975	216	334		599	1 140

*To the primary level of manufacture only.
†Includes secondary level of manufacture.
Source: Statistics Canada.

Environment Canada — Forestry Service

Environnement Canada — Service des forêts

Annual Forest Utilization

	Annual Average 1971-75 volume '000 m^3	%
Industrial Roundwood		
Logs and bolts — Domestic use*	82 440	64.3
— Export	536	0.4
Pulpwood — Domestic use	39 227	30.6
— Export	1 334	1.1
Other	1 057	0.8
Total Industrial Wood	124 594	97.2
Fuelwood (incl. wood for charcoal)	3 571	2.8
Total Utilization	**128 165**	**100.0**

	Year 1976 volume '000 m^3	%
Industrial Roundwood		
Logs and bolts—Domestic use*	97 680	69.6
—Export	598	0.4
Pulpwood—Domestic use	35 931	25.6
—Export	905	0.7
Other	1 260	0.9
Total Industrial Wood	136 374	97.2
Fuelwood (incl. wood for charcoal)	3 900	2.8
Total Utilization	**140 274**	**100.0**

*Includes some wood used in the manufacture of wood pulp.
Source: Statistics Canada.
Note: Owing to rounding, the figures may not add.

Canadian Output of Selected Forest Products

	1975	1976	1977[P]
Lumber (production — all industries)		'000 m^3	
Softwoods	26 315	35 642	40 720
Hardwoods	993	1 185	1 046
Total	**27 308**	**36 827**	**41 766**
Veneer (shipments)		'000 m^2	
Softwoods (3.175 mm basis)	159 315	205 086	NA
Hardwoods (surface measure)	73 597	88 691	NA
Plywood (shipments)		'000 m^2	
Softwoods (9.525 mm basis — unsanded)	207 776	224 081	251 190
Hardwoods (surface measure)	28 405	29 869	39 946
Particle Board (production — 15.9 mm basis)		'000 m^2	
Type I — all thicknesses		19 809	22 755
Type II — 12.7 mm to 19.1 mm		21 359	22 893
Other thicknesses		9 755	9 761
Total	**34 310**	**50 923**	**55 409**
Wood Pulp (production)		'000 t	
Groundwood	6 007	7 036	7 023
Dissolving and Special Alpha	226	222	235
Sulphite—bleached	515	609	592
—unbleached	1 443	1 648	1 619
Sulphate—bleached and semi-bleached	5 082	6 304	6 427
—unbleached	1 315	1 559	1 640
Semi-chemical, defibrated and exploded	496	527	507
Screenings	28	41	40
Total	**15 113**	**17 946**	**18 083**
Basic Paper and Paperboard (production)		'000 t	
Newsprint	7 010	8 062	8 154
Book and writing paper	679	842	1 065
Wrapping paper	430	526	570
Paperboard	1 544	1 901	2 086
All other	404	459	464
Total	**10 066**	**11 790**	**12 339**

[P]Preliminary estimates
Sources: Statistics Canada and Canadian Pulp and Paper Association.
Note: Owing to rounding, the figures may not add.

Forest Industries

	Employees Number		Salaries and Wages $000 000	
	1975	1976	1975	1976
Employment, Salaries and Wages*				
Logging	55 156	50 901	712	773
Wood Industries				
Sawmills and planing mills	49 789	56 896	578	774
Shingle mills	1 627	1 827	21	27
Veneer and plywood mills	12 732	13 003	141	171
Sash, door and other millwork	12 956	13 719	124	146
Other wood industries	21 644	21 535	207	235
Total Wood Industries	**98 748**	**106 980**	**1 071**	**1 353**
Paper and Allied Industries				
Pulp and paper mills	84 046	86 995	1 092	1 416
Other paper industries	43 320	43 235	461	522
Total Paper and Allied Industries	**127 366**	**130 230**	**1 553**	**1 938**
Total Forest Industries	**281 270**	**288 111**	**3 336**	**4 064**

	Value Added† $000 000		Value of Shipments§ $000 000	
	1975	1976	1975	1976
Value of Products				
Logging	1 126	1 348	2 474	3 213
Wood Industries				
Sawmills and planing mills	851	1 268	1 997	2 878
Shingle mills	34	47	63	90
Veneer and plywood mills	204	270	458	584
Sash, door and other millwork	229	254	484	567
Other wood industries	371	397	801	880
Total Wood Industries	**1 689**	**2 236**	**3 803**	**4 999**
Paper and Allied Industries				
Pulp and paper mills	2 601	2 876	5 122	5 993
Other paper industries	869	968	2 010	2 236
Total Paper and Allied Industries	**3 470**	**3 844**	**7 132**	**8 229**
Total Forest Industries	**6 285**	**7 428**	**NA**	**NA**

*Based on total activity.

†Based on total activity and is the gross or sale value, less cost of material, fuel, purchased electricity and process supplies consumed.

§Shipments of goods of own manufacture.

Source: Statistics Canada.